

AMENDMENTS TO THE SPECIFICATION:

Amend the specification as follows:

Replace the paragraph beginning on page 11 line 11 with the following rewritten paragraph:

If $(a+b+c+d)$, $(a-b+c-d)$, $(a+b-c-d)$, $(a-b-c+d)$ are negative then X_i has two subtracted therefrom and it is then divided by four and then has its ~~dismal~~ decimal part truncated and it is thus rounded off (step S108).

Replace the paragraph beginning on page 13 line 2 with the following rewritten paragraph:

For each type of Hadamard block thus classified, a process is provided, as will be described hereinafter:

For an Hadamard block of type 1:

if $(a+b+c+d)$, $(a-b+c-d)$, $(a+b-c-d)$, $(a-b-c+d)$ are 0 or more (step S206) then X_i has two added thereto and is then divided by four (step S210) and it has its ~~dismal~~ decimal part truncated and it is thus rounded off (step S218); and

if $(a+b+c+d)$, $(a-b+c-d)$, $(a+b-c-d)$, $(a-b-c+d)$ are negative (step S206) then X_i has two subtracted therefrom and is then divided by four (step S212) and it has its ~~dismal~~ decimal part truncated and it is thus rounded off (step S218).

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Replace the paragraph beginning on page 13 line 15 with the following rewritten paragraph:

For an Hadamard block of type 2:

if $(a+b+c+d)$, $(a-b+c-d)$, $(a+b-c-d)$, $(a-b-c+d)$ are 0 or more (step S208) then Xi has one added thereto and is then divided by four (step S214) and it has its ~~dismal~~ decimal part truncated and it is thus rounded off (step S218); and

if $(a+b+c+d)$, $(a-b+c-d)$, $(a+b-c-d)$, $(a-b-c+d)$ are negative (step S208) then Xi has one subtracted therefrom and is then divided four, and has its ~~dismal~~ decimal part truncated and thus rounded off (step S218).

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